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Office of the Director
III

SEQUENCE LISTING

<110> Maliga, Pal
Kuroda, Hiroshi
Khan, Muhammad Sarwar
Rutgers, The state University of New Jersey

<120> Translation Control Elements for High-Level Protein Expression in the Plastids of Higher Plants and Methods of Use Thereof

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<140> 09/762,105
<141> 2001-04-23

<150> PCT/US99/17806
<151> 1999-08-03

<150> 60/138,764
<151> 1999-06-11

<150> 60/095,163
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<150> 60/112,257
<151> 1998-12-15

<150> 60/131,611
<151> 1999-04-29

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35 40 45
Gln Glu Trp Thr Asp Asp Leu Val Arg Leu Arg Glu Arg Tyr Pro Trp
50 55 60
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65 70 75 80
Pro Trp Lys Ala Arg Asn Ala Tyr Asp Trp Thr Ala Glu Ser Thr Val
85 90 95
Tyr Val Ser Pro Arg His Gln Arg Thr Gly Leu Gly Ser Thr Leu Tyr
100 105 110
Thr His Leu Leu Lys Ser Leu Glu Ala Gln Gly Phe Lys Ser Val Val
115 120 125
Ala Val Ile Gly Leu Pro Asn Asp Pro Ser Val Arg Met His Glu Ala
130 135 140
Leu Gly Tyr Ala Pro Arg Gly Met Leu Arg Ala Ala Gly Phe Lys His
145 150 155 160
Gly Asn Trp His Asp Val Gly Phe Trp Gln Leu Asp Phe Ser Leu Pro
165 170 175
Val Pro Pro Arg Pro Val Leu Pro Val Thr Glu Ile
180 185

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<211> 184

<212> PRT

<213> Artificial Sequence

<220>

<223> Snythetic Sequence

<400> 130

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Ala Asp Met Pro Ala Val Cys Thr Ile Val Asn His Tyr Ile Glu Thr
20 25 30
Ser Thr Val Asn Phe Arg Thr Glu Pro Gln Glu Pro Gln Glu Trp Thr
35 40 45
Asp Asp Leu Val Arg Leu Arg Glu Arg Tyr Pro Trp Leu Val Ala Glu
50 55 60
Val Asp Gly Glu Val Ala Gly Ile Ala Tyr Ala Gly Pro Trp Lys Ala
65 70 75 80
Arg Asn Ala Tyr Asp Trp Thr Ala Glu Ser Thr Val Tyr Val Ser Pro

85 90 95
Arg His Gln Arg Thr Gly Leu Gly Ser Thr Leu Tyr Thr His Leu Leu
100 105 110
Lys Ser Leu Glu Ala Gln Gly Phe Lys Ser Val Val Ala Val Ile Gly
115 120 125
Leu Pro Asn Asp Pro Ser Val Arg Met His Glu Ala Leu Gly Tyr Ala
130 135 140
Pro Arg Gly Met Leu Arg Ala Ala Gly Phe Lys His Gly Asn Trp His
145 150 155 160
Asp Val Gly Phe Trp Gln Leu Asp Phe Ser Leu Pro Val Pro Pro Arg
165 170 175
Pro Val Leu Pro Val Thr Glu Ile
180

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catgg 65

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<400> 132
Met Arg Ile Asn Pro Thr Thr Ser Gly Ser Gly Val Ser Thr
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